

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-1048 REV. A OR LATER APPROVED REVISION

## 1.0 PURPOSE

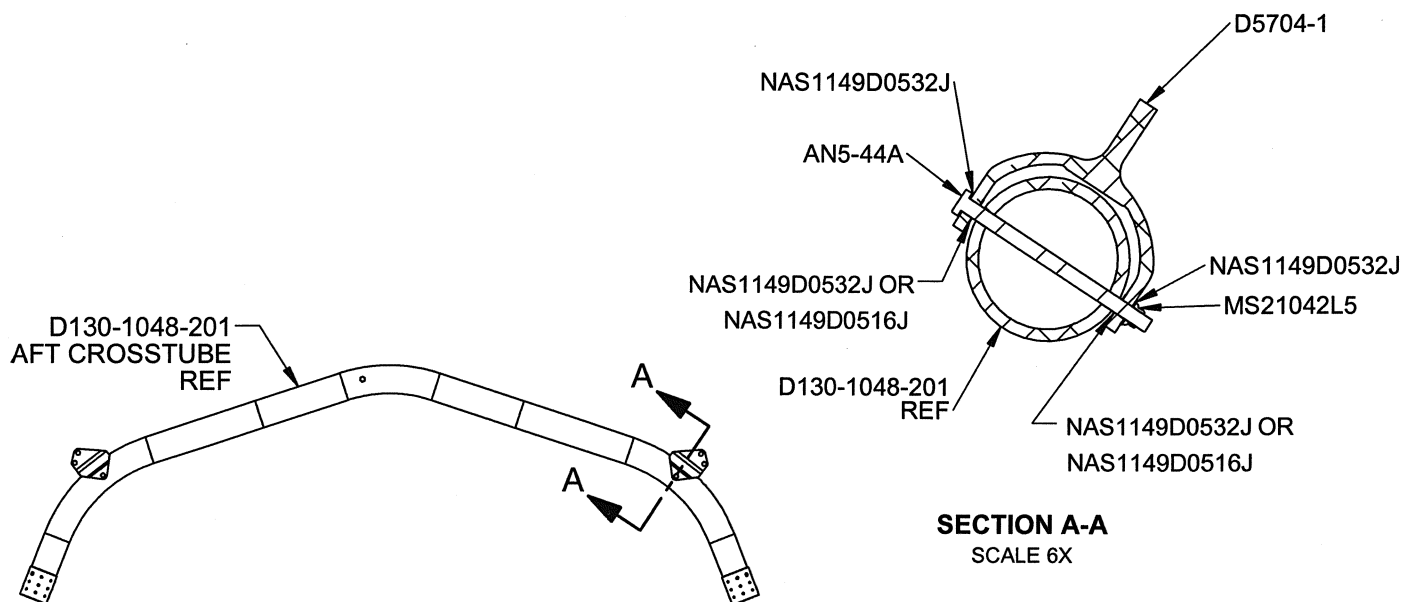
The purpose of this Dart Service Instruction (DSI) is to introduce the D5704-041 Aft Step Bracket Assembly and provide instructions to install the bracket on the D130-1048-201 Aft Crosstube.

The D5704-041 Aft Step Bracket Assembly may be installed on the Dart D130-1046-201 Aft Crosstube in lieu of the equivalent Airbus Helicopters bracket. The D5704-041 bracket is designed to provide a close fit on the Dart crosstube.

## 2.0 INSTALLATION

- 2.1 Install the D5704-041 Aft Step Bracket Assy onto the D130-1048-201 crosstube using the AN5-44A bolt, NAS1149D0532J washers, NAS1149D0516J washers, and MS21042L5 nut.
- 2.2 Use provided NAS1149D0532J washers or NAS1149D0516J washers between the step bracket and the crosstube to ensure a snug fit as required. Adhere additional D5704-3 cushions or 80 durometer neoprene shims if required to ensure a snug fit using 3M 1300/1300L (or equivalent) adhesive.
- 2.3 Install the aft crosstube per IIN-D130-1048.

**NOTE:** D5704-041 AFT STEP BRACKETS MUST BE INSTALLED AS A PAIR AS SHOWN IN FIGURE 1. QTY(2) D5704-041 BRACKETS ARE REQUIRED PER AFT CROSSTUBE.



**FIGURE 1: AFT STEP BRACKET INSTALLATION**

**UNDER REVIEW**

URF 19-503 19.01.04(MGD)

APPROVED

A	NEW ISSUE	NO	18.12.13
REV.	DESCRIPTION	BY	DATE
DESIGN	NO	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	NO		
CHECKED	ZF	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9817	SHEET 1 OF 2
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	AFT STEP BRACKET INSTALL	NTS
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### 3.0 PARTS LIST

QTY -041	P/N	DESCRIPTION
X	D5704-041	AFT STEP BRACKET ASSY
1	D5704-1	AFT STEP BRACKET
3	D5704-3	CUSHION
1	AN5-44A	BOLT
1	MS21042L5	NUT, SELF LOCKING
2	NAS1149D0516J	WASHER
4	NAS1149D0532J	WASHER

### 4.0 WEIGHT AND BALANCE

The following weight and balance information is the for the Dart installations only. The weight and balance of all parts removed from the aircraft is the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D5704-041 AFT STEP BRACKET ASSY (PAIR)	2.2 lb	+/- 0 in	+/- 0 in-lb	162.4 in	357 in-lb
	1.0 kg	+/- 0 m	+/- 0 m-kg	4.12 m	4.1 m-kg

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DRAWN	NO		
CHECKED	ZF	DRAWING NO.	SHEET 2 OF 2
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APPROVED	NO	TITLE	SCALE
DE APPR.	CP <i>up</i>	<b>AFT STEP BRACKET INSTALL</b>	NTS
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